

SIDS DOCK SUPPORT PROGRAM



Supporting Resilient, Sustainable Energy Sectors in Small Island Developing States

Most Small Island Developing States (SIDS) are highly dependent on imported petroleum products to meet their energy needs, including electricity. This has a number of impacts: high and often rising costs for electricity, vulnerability to oil price shocks, and supply interruptions. Many SIDS are now looking to transition to more sustainable energy systems, where improved energy efficiency and renewable energy play an increasingly important role.

Despite their significant renewable energy resource potential—solar, wind, ocean, geothermal, and biomass—many SIDS are limited by the existing structure of their energy sectors and inadequate institutional and private sector capacity for the development of such resources.

To help meet this transition challenge, the [SIDS DOCK Support Program](#) was launched by the World Bank's Energy Sector Management Assistance Program ([ESMAP](#)) with funding from the Government of Denmark and Japan. The program is implemented in partnership with UNDP.

The US\$29.5 million SIDS DOCK Support Program (US\$7.5m for UNDP) is designed to help achieve the transformation of the energy sectors in SIDS by focusing on two principal outcomes:

1. Creation of an enabling operational, legal, and institutional environment to implement renewable energy and energy efficiency policy reforms based on international best practices, and



2. Implementation of renewable energy and energy efficiency initiatives for potential scale-up through climate finance and other sources of funding.

To achieve these outcomes, ESMAP provides grants to SIDS DOCK member states to support analytical and advisory activities, as well as some investments, for renewable energy and energy efficiency initiatives. In the first phase of the program, six clean energy activities were initiated in the Caribbean, Pacific, and Africa



The Energy Sector Management Assistance Program (ESMAP) is a global knowledge and technical assistance program administered by the World Bank. It provides analytical and advisory services to low- and middle-income countries to increase their know-how and institutional capacity to achieve environmentally sustainable energy solutions for poverty reduction and economic growth. The SIDS DOCK Support Program is funded by Denmark and Japan.

regions, focused on creating the enabling environment for renewable energy and energy efficiency penetration. A World Bank-executed technical assistance program requested by SIDS was also launched at the global level, including analytical work on options for financing mechanisms to catalyze investments, establishment of a virtual knowledge exchange network, and an innovation competition to showcase successful clean energy initiatives with potential for scale up in SIDS. All the technical assistance activities were completed by FY2014.

SECOND PHASE OF THE SIDS DOCK SUPPORT PROGRAM

A second phase of activities is now underway and the approved project pipeline includes:

- Co-financing World Bank IDA energy sector operations (e.g., Maldives and Tuvalu)
- Two geothermal power projects in the Caribbean to meet baseload power needs (Dominica and St. Lucia)
- Potentially transformative approach to addressing peak demand and achieving energy security through solar PV, including for health facilities and public buildings (Cabo Verde, St. Lucia, Grenada, St. Vincent and Grenadines)

ESMAP - SIDS DOCK SUPPORT PROGRAM FIRST PHASE PROJECT PIPELINE

SIDS REGION / COUNTRY	PROJECT	SIDS FUNDING (US\$)
AIMS / Sao Tome & Principe	Power Sector Efficiency Improvements	320,000
AIMS / Seychelles	Technical Assistance to Support Expanded Private Participation in Renewable Energy Supply to the Grid	250,000
AIMS / Mauritius	Preparation of a Grid Code, Feed-in-Tariffs and Model Energy Supply Purchase Agreements for Renewable Energy Systems > 50kW	200,000
Caribbean / Dominica	Geothermal Project	295,000
Eastern Caribbean	Eastern Caribbean Energy Regulatory Authority (ECERA) Project	1,500,000
Pacific / Vanuatu	Energy Sector Development Project	1,000,000
Global	SIDS DOCK Virtual Network	400,000
Global	Promoting Innovation in Renewable Energy and Energy Efficiency in Small Island Developing States	400,000
Global	Assessment for Financing Mechanisms to Catalyze RE and EE Investment in SIDS	164,507

ESMAP - SIDS DOCK SUPPORT PROGRAM SECOND PHASE PROJECT PIPELINE

SIDS REGION / COUNTRY	PROJECT	SIDS FUNDING (US\$)
Tuvalu	Electricity Sector Development	2,100,000
Caribbean / Dominica, St. Lucia	Geothermal Development for Base Load Power	3,750,000
Caribbean	Regional Solar PV Scale-Up Project	1,250,000
Maldives	Off-Grid Electrification	1,000,000
Cabo Verde	Cabo Verde Distributed Solar Energy Systems	1,000,000